The RTP-FC and OAM are proud of the administrative and financial services support to Region 1's current stormwater project to control nitrogen ~~algae reduction efforts~~ at Cape Cod. Ray Cody, a Region 1 project officer, recently thanked the RTP-FC for their prompt payment of the necessary supplies, equipment and services required to support the project ~~algae reduction work.~~

In addition, Mr. Cody provided the RTP-FC staff photos from the ~~algae reduction~~ project. Photo 1 is of the Hyannis green infrastructure (GI) best management practices (BMP). Photo 2 is of the Chatham GI BMP. To illustrate the impact of nutrients (e.g., nitrogen, phosphorus) on our nation's waterbodies, Photo 3 is a satellite photo of Lake Erie, impacted by eutrophication (i.e., excess ~~the~~ algae) ~~filled Lake Erie~~. Region 1 is working hard to prevent inland and coastal waterbodies on Cape Cod from suffering ~~from the algae effects currently realized~~ impacts similar to ~~at~~ Lake Erie.

The highly innovative GI BMP's were constructed in Spring-Fall 2015. The GI BMPs control ~~the~~ nitrogen (and other pollutants) in stormwater that would otherwise cause eutrophication ~~producing algae in storm water discharges~~. In brief, ~~T~~the BMP's treat the storm-water by causing an ~~producing~~ anoxic condition~~s~~ which ~~that~~ favors microbial-assisted oxidation-reduction reactions that lead to ~~eventually lead to~~ denitrification (i.e., to nitrogen gas (N2)). After treatment by the BMP, stormwater is discharged back to the municipal separate storm sewer system (MS4)~~, thus reducing the algae's negative effect~~.

The Hyannis BMP was finished in June 2015 and the Chatham BMP is almost completed. The next phase of the effort will allow scientists to monitor and determine the success of the GI BMP's control of nitrogen. More information and photos may be found at a webpage constructed for the project: http://www.epa.gov/snecwrp/cape-cod-stormwater-best-management-practices-bmps

The RTP-FC is excited to support an incredible mission that is helping protect America's water resources.